

Ambient Air Monitoring Network

Within the Kansas Ambient Air Monitoring Network, certain sites have been designated by the United States Environmental Protection Agency (EPA) as National Air Monitoring Stations (NAMS) or State and Local Air Monitoring Stations (SLAMS). NAMS are considered a subset of SLAMS. Data obtained at NAMS locations are used by EPA to determine national air pollution trends. Data collected at both NAMS and SLAMS locations are compared to National Ambient Air Quality Standards (NAAQS), and used by the state of Kansas and EPA to determine attainment status for criteria pollutants. SLAMS sites are developed by KDHE and its local partner agencies to enhance monitoring to meet national, state, and local needs.

Ambient air monitoring sites are scattered throughout the state. Their placement is based upon clearly defined EPA siting criteria that consider attributes such as population densities and the degree to which data collected at the site accurately represent the air quality in the region. Data from monitoring sites are collected by KDHE and local agency staff, reported to the EPA and are used for the evaluation of air quality and for the regulatory decision making process.

The Kansas Ambient Air Monitoring Network for 2000 consisted of 25 sampling sites ([see map, Pg. 11](#)) at

which specialized instruments were employed to measure the following criteria pollutants:

- ✓ PM₁₀ at 13 sites
- ✓ PM_{2.5} at 13 sites
- ✓ Sulfur dioxide (SO₂) at 4 sites
- ✓ Ozone (O₃) at 6 sites
- ✓ Carbon monoxide (CO) at 6 sites
- ✓ Nitrogen dioxide (NO₂) at 3 sites

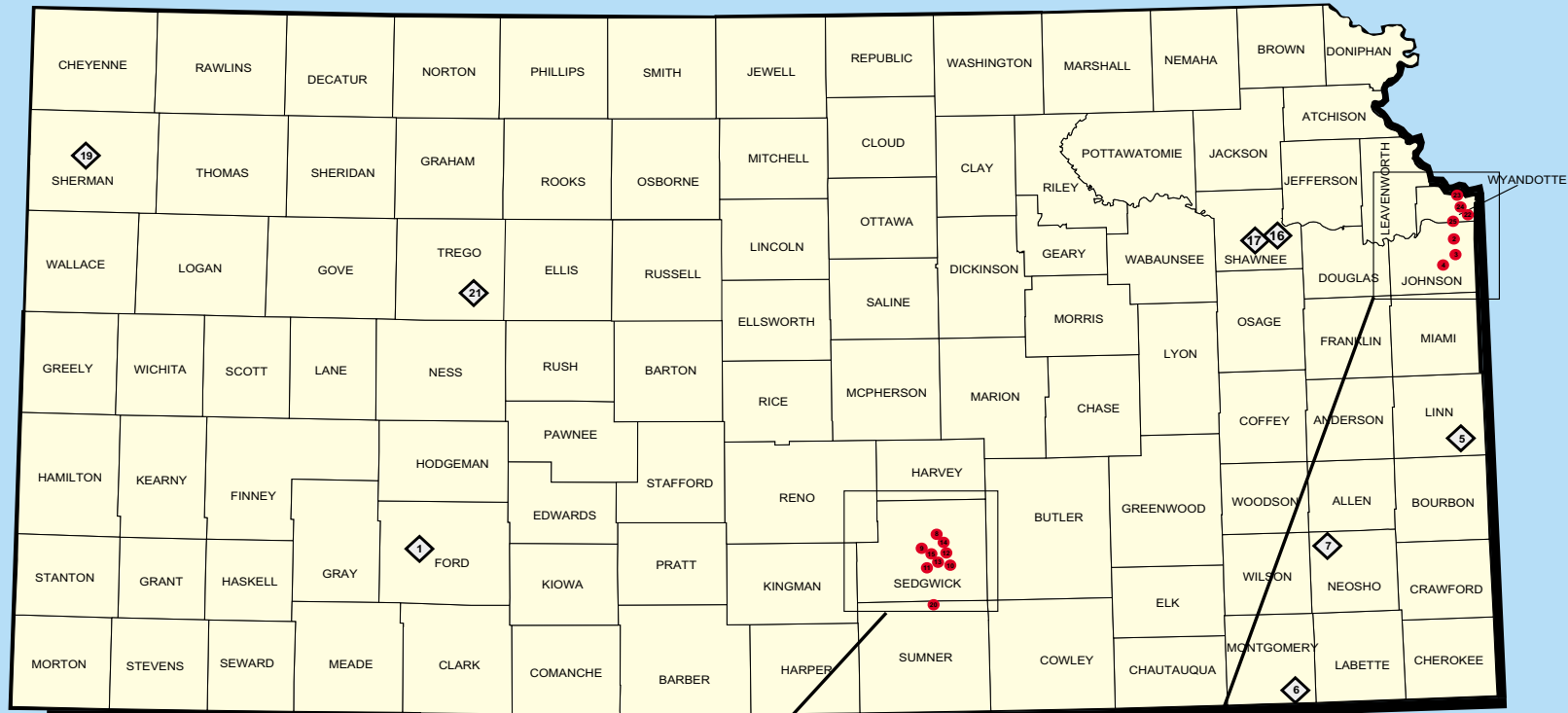
Sites installed by the Department in recent years consist of meteorological stations and multiple monitors that detect different air pollutants.

The composition and the configuration of the Kansas Ambient Air Monitoring Network varies with changing federal and state requirements. A complete description of all long-term Kansas Ambient Air Monitoring sites operated by KDHE in 2000 and previous years is available from Bureau of Air and Radiation.

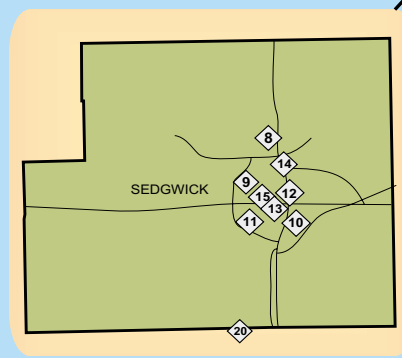


Air Quality Monitoring Site - Kansas City

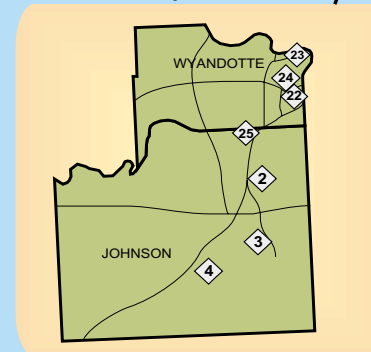
Air Quality Monitoring Sites In Kansas



Wichita Area



Kansas City Area



Monitoring Site Locations

Site #	AIRS ID	City/Co.	Address	TSP	PM ₁₀	CPM ₁₀	PM _{2.5}	CPM _{2.5}	CO	SO ₂	O ₃	NO _x	Site #	AIRS ID	City/Co.	Address	TSP	PM ₁₀	CPM ₁₀	PM _{2.5}	CPM _{2.5}	CO	SO ₂	O ₃	NO _x
1	057-0001	Dodge City	2100 First		SPM								14	173-1012	Wichita	3600 N. Hydraulic		Coll.	NAMS						
2	091-0007	Overland Park	Overland Park Judicial Ctr. 85th & Antioch				SLAMS +Coll.						15	173-1014	Wichita	Douglas & Main						SPM			
3	091-0008	Overland Park	Oxford Middle School				SLAMS						16	177-0010	Topeka	Robinson Middle School		SPM		SLAMS					
4	091-0009	Olathe	Black Bob Elem. School				SLAMS						17	177-0011	Topeka	McClure Elem. School				SLAMS					
5	107-0002	Linn Co.	Mine Creek Historic Site				SLAMS (Trans.) +Coll.	SPM	SPM	SPM	SPM	SPM	18	177-0012	Topeka	Washburn Univ.		SPM		SPM	SPM				
6	125-0006	Coffeyville	Union & East North			SPM				SPM +H ₂ S			19	181-0001	Goodland	1010 Center		SPM							
7	133-0002	Chanute	1500 West 7th	SPM	SPM								20	191-0002	Peck	Peck Community Building				SLAMS (Trans)		SPM	SPM	SPM	SPM
8	173-0001	Park City	200 East 53rd North								NAMS		21	195-0001	Trego Co.	Cedar Bluff Resv.					SPM			SPM	
9	173-0007	Wichita	13th & St. Paul		SLAMS								22	209-0015	K.C.	420 Kansas		NAMS							
10	173-0008	Wichita	G. Washington & Skinner			SLAMS	SLAMS						23	209-0020	K.C.	444 Kindelberger		NAMS +Coll.							
11	173-0009	Wichita	Pawnee and Glenn			SLAMS	SLAMS						24	209-0021	K.C.	JFK Comm. Center				SLAMS +Coll.	SPM	SLAMS	NAMS	SLAMS	SPM
12	173-0010	Wichita	1900 East 9th Health Dept.			SPM	SLAMS +Coll.		SLAMS		NAMS		25	209-0022	K.C.	Midland Trail Elem.				SLAMS					
13	173-1003	Wichita	Topeka and Lewis						SLAMS																

* All monitors generate data reported to EPA AIRS

SPM: Special Purpose Monitor

CPM₁₀: Continuous PM₁₀

CPM_{2.5}: Continuous PM_{2.5}

Coll.: Collocated

SLAMS: State and Local Air Monitoring Station

NAMS: National Air Monitoring Station

There are a total of 50 air sampling monitors in operation across the state.